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Nov 30, 2001

DERWENT-ACC-NO: 1998-532417

DERWENT-WEEK: 200207

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TITLE: Conditional access system for subscription broadcasting, e.g. pay-per-view satellite television - subscriber's set-top decoder communicates directly, via a dedicated link, with a subscriber authorisation system, so that request for selected programme can be authorised

INVENTOR: BAYASSI, M; DE LA TULLAYE, P ; JEZEQUEL, J

PATENT-ASSIGNEE:

ASSIGNEE

CODE

CANAL+ SA

CANAN

PRIORITY-DATA: 1997EP-0400650 (March 21, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
NZ 500198 A	November 30, 2001		000	H04N007/14
WO 9843426 A1	October 1, 1998	E	071	H04N007/16
ZA 9703605 A	October 28, 1998		029	H04N000/00
AU 9727704 A	October 20, 1998		000	
NO 9904532 A	November 19, 1999		000	H04N007/16
EP 974229 A1	January 26, 2000	E	000	
CZ 9903310 A3	July 12, 2000		000	H04N007/16
CN 1254473 A	May 24, 2000		000	H04N007/16
HU 200001482 A2	September 28, 2000		000	H04N007/16
KR 2000076400 A	December 26, 2000		000	H04N007/16
MX 9908539 A1	August 1, 2000		000	H04N007/16
JP 2001519124 W	October 16, 2001		072	H04N007/16

DESIGNATED-STATES: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE
GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO
RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU AT BE CH DE DK EA ES FI FR GB GR
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG AL AT BE CH DE DK ES FI FR GB GR IE IT LI
LT LU LV MC NL PT RO SE SI

APPLICATION-DATA:

BR S
EPO
Derwent
JPO

Sgreen

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
NZ 500198A	April 25, 1997	1997NZ-0500198	
NZ 500198A	April 25, 1997	1997WO-EP02108	
NZ 500198A		WO 9843426	Based on
WO 9843426A1	April 25, 1997	1997WO-EP02108	
ZA 9703605A	April 25, 1997	1997ZA-0003605	
AU 9727704A	April 25, 1997	1997AU-0027704	
AU 9727704A		WO 9843426	Based on
NO 9904532A	April 25, 1997	1997WO-EP02108	
NO 9904532A	September 17, 1999	1999NO-0004532	
EP 974229A1	April 25, 1997	1997EP-0921751	
EP 974229A1	April 25, 1997	1997WO-EP02108	
EP 974229A1		WO 9843426	Based on
CZ 9903310A3	April 25, 1997	1997WO-EP02108	
CZ 9903310A3	April 25, 1997	1999CZ-0003310	
CZ 9903310A3		WO 9843426	Based on
CN 1254473A	April 25, 1997	1997CN-0182179	
HU 200001482A2	April 25, 1997	1997WO-EP02108	
HU 200001482A2	April 25, 1997	2000HU-0001482	
HU 200001482A2		WO 9843426	Based on
KR2000076400A	April 25, 1997	1997WO-EP02108	
KR2000076400A	September 17, 1999	1999KR-0708503	
KR2000076400A		WO 9843426	Based on
MX 9908539A1	September 17, 1999	1999MX-0008539	
JP2001519124W	April 25, 1997	1997WO-EP02108	
JP2001519124W	April 25, 1997	1998JP-0543219	
JP2001519124W		WO 9843426	Based on

INT-CL (IPC): H04 H 1/00; H04 H 1/08; H04 N 0/00; H04 N 7/14; H04 N 7/16; H04 N 7/167; H04 N 7/173

RELATED-ACC-NO: 1998-363264;1998-363265 ;1998-363266 ;1998-363267 ;1998-483347
;1998-483348 ;1998-483351 ;1998-521657 ;1998-532203 ;1998-532205 ;1998-532207
;1998-532416 ;1998-532419 ;1998-532420 ;1998-532421 ;1998-534103

ABSTRACTED-PUB-NO: W O 9843426A
BASIC-ABSTRACT:

The conditional access system includes a subscriber's set-top decoder box (2020) which can communicate directly with the communication servers (3022) of a subscriber authorisation system (3002). Two direct connections are provided. The first connection is via telephone (4001) using a series of voice commands. A second connection is from the decoder box itself, via a dedicated link (4002), and communications are automatically carried out by the insertion of a smart card into the decoder box.

The commands from the decoder box or telephone are processed by the subscriber authorisation system which generates entitlement management messages (EMM) to allow encrypted programme data to be decrypted for a particular subscriber. The EMMs are sent directly back to the subscriber via the dedicated link.

ADVANTAGE - Viewing authorisation is quickly obtained due to the use of a dedicated link between the subscriber's set-top decoder box and the subscriber authorisation system.

CHOSEN-DRAWING: Dwg.12/20

TITLE-TERMS: CONDITION ACCESS SYSTEM SUBSCRIBER BROADCAST PAY PER VIEW SATELLITE

TELEVISION SUBSCRIBER SET TOP DECODE COMMUNICATE DEDICATE LINK SUBSCRIBER AUTHORISE
SYSTEM SO REQUEST SELECT PROGRAMME CAN AUTHORISE

DERWENT-CLASS: W02

EPI-CODES: W02-F10A; W02-F10N3;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1998-415424